

ABSTRACT OF THE DISCLOSURE

Apparatus for providing a flow of pressurized liquid includes a hydraulic cylinder, a divider within the cylinder interior, and floating piston heads positioned in the cylinder interior on opposite sides of the divider. A double ended ram member is movably mounted in the divider and engages the piston heads. Liquid flow paths extend between subcompartments on opposite sides of the piston heads. A source of pressurized liquid delivers liquid under relatively low pressure to reciprocally move the piston heads and ram member causing intensification of pressure of liquid displaced from the cylinder. In a preferred embodiment, excess pressurized liquid passes through a filter to separate the liquid into permeate and concentrate portions.